

**ARG66024**  
anti-FGF9 antibody (Biotin)Package: 50 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Rabbit Polyclonal antibody recognizes FGF9
Tested Reactivity	Ms
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FGF9
Species	Mouse
Immunogen	E. coli derived recombinant Mouse FGF9. (PLGEVGSYFG VQDAVPFGNV PVLVVDSPVL LNDHLGQSEA GGLPRGPAVT DLDHLKGILR RRQLYCRTGF HLEIFPNGTI QGTRKDHSRF GILEFISIAV GLVSIRGVDS GLYLG MNEKG ELYGSEKLTQ ECVFREQFEE NWNWNTYSSNL YKHVDTGRRY YVALNKDGTP REGTRTKRHQ KFTHFLPRPV DPKVPELYK DILSQS)
Conjugation	Biotin
Alternate Names	Fibroblast growth factor 9; Glia-activating factor; FGF-9; HBFG-9; HBGF-9; GAF; Heparin-binding growth factor 9; SYNS3

### Application Instructions

Application table	Application	Dilution
	ELISA	Direct: 0.25 - 1.0 µg/ml Sandwich: 0.25 - 1.0 µg/ml with ARG66023 as a capture antibody
	WB	0.1 - 0.2 µg/ml

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified by affinity chromatography.
Buffer	PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

### Database links

[GeneID: 14180 Mouse](#)

[Swiss-port # P54130 Mouse](#)

### Gene Symbol

Fgf9

### Gene Full Name

fibroblast growth factor 9

### Background

The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis. [provided by RefSeq, Jul 2008]

### Function

Plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. May have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors. [UniProt]

### Calculated Mw

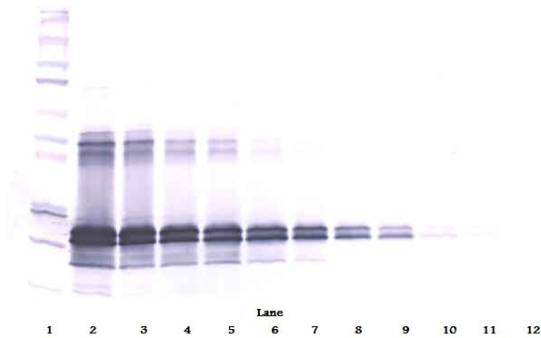
23 kDa

### PTM

Three molecular species were found (30 kDa, 29 kDa and 25 kDa), cleaved at Leu-4, Val-13 and Ser-34 respectively. The smaller ones might be products of proteolytic digestion. Furthermore, there may be a functional signal sequence in the 30 kDa species which is uncleavable in the secretion step. N-glycosylated.

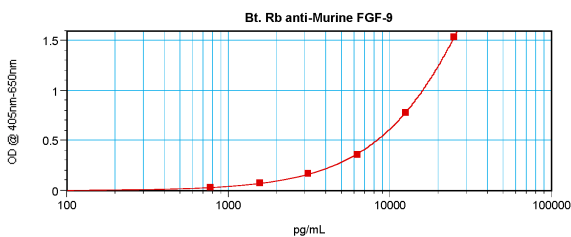
## Images

### ARG66024 anti-FGF9 antibody (Biotin) WB image



Western blot: 250 - 0.24 ng of Mouse FGF-9 stained with ARG66024 anti-FGF9 antibody (Biotin), under non-reducing conditions.

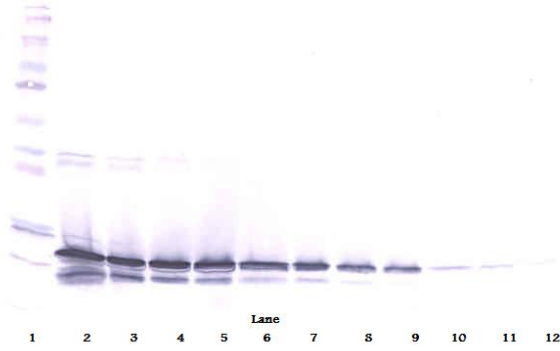
### ARG66024 anti-FGF9 antibody (Biotin) standard curve image



Direct ELISA: ARG66024 anti-FGF9 antibody (Biotin) at 0.25 - 1.0 µg/ml results of a typical standard run with optical density reading at 405 - 650 nm.

### ARG66024 anti-FGF9 antibody (Biotin) WB image

Western blot: 250 - 0.24 ng of Mouse FGF-9 stained with ARG66024 anti-FGF9 antibody (Biotin), under reducing conditions.



### ARG66024 anti-FGF9 antibody (Biotin) standard curve image

Sandwich ELISA: ARG66024 anti-FGF9 antibody (Biotin) as a detection antibody at 0.25 - 1.0 µg/ml combined with ARG66023 anti-FGF9 antibody as a capture antibody. Results of a typical standard run with optical density reading at 405 - 650 nm.

